

T2KSK712D (Kit)

Access & Power Integration Solution for Keri Systems

TROVE[™]

Altronix T2KSK712D kit consists of Trove2 enclosure, TKS2 Keri Systems/Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) dual input PTC access power controller, one (1) voltage regulator, one (1) dual input PTC power distribution module, and one (1) PTC access power controller.

This kit also accommodate various combinations of Keri Systems boards for up to twelve (12) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2KSK712D

*Keri Systems modules are not included***Key Features**

- 24VDC power supply/charger
- Accommodates up to three (3) Keri Systems NXT-2D-MSCNE, NXT-4D-MSCNE or NXT-4X4NE boards
- Convenient knockout configuration:
 - One (1) single knockout 2.415" (2" Conduit)
 - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
 - AC Fail
 - Low Battery and Battery Presence
- Agency Listings:
 - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
 - UL: UL294 - Access Control System
 - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
 - CE European Conformity
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Lifetime Warranty*

**Altronix Power Supply/Chargers and Sub-Assemblies only*

Specifications

Power Supply/Charger (AL1024ULXB2):

Input

Voltage	115VAC 60Hz, 4.2A max.
Input Fuse	5A/250V

Outputs

Voltage	24VDC
Current	10A @ 24VDC continuous max.
Other	Overvoltage protection. Filtered and regulated

Battery Charging

Capacity	12AH/12VDC (2 within enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

Supervision

AC Failure	Form "C" contacts
Battery	Form "C" contacts

Indicators (LED)

Input	115VAC is present
DC Output	Powered
Battery	Discharged or not connected

Access Power Controller (ACM4CB):

Input

Voltage	24VDC from AL1024ULXB2
Input Fuse	10A/32V

Outputs

Voltage	24VDC
Four (4) independently controlled PTC outputs:	
a) Four (4) Fail-Safe and/or Fail-Secure power outputs	
b) Four (4) dry form "C" 5A rated relay outputs	
c) Any combination of the above	
Four (4) auxiliary power outputs (unswitched)	
Output PTCs	2.5A

Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Green LED	FACP disconnect is triggered

Dual Input Power Distribution Module (PDS8CB):

Input

Voltage	24VDC from AL1024ULXB2 and 12VDC from VR6
Input PTCs	9A

Outputs

Voltage	12 or 24VDC individually selectable
Any of the eight (8) power outputs are selectable to follow power Input 1 or Input 2	
Individual outputs may be set to OFF position for servicing	
Output PTCs	2.5A

Indicators (LED)

DC Output	Eight (8) individual output LEDs
Green:	12VDC
Red:	24VDC

Voltage Regulator (VR6):

Input

Voltage	24VDC from AL1024ULXB2
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Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Dual Input Access Power Controller (ACMS8CB):

Input

Voltage	24VDC from AL1024ULXB2 and 12VDC from VR6
Input PTCs	9A

Outputs

Voltage	12 or 24VDC individually selectable
Eight (8) selectable 12VDC - 24VDC independently controlled outputs or eight (8) independently controlled Form "C" relay outputs:	
a) Fail-Safe and/or Fail-Secure power outputs	
b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated	
c) Auxiliary power outputs (unswitched)	
d) Any combination of the above	

Any of the eight (8) PTC protected power outputs are selectable to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output PTCs	2.5A
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Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Blue LED	FACP disconnect is triggered

Individual voltage LEDs:

Green:	12VDC
Red:	24VDC

T2KSK712D Kit:

Agency Listings

All components of this Trove kit are UL Listed sub-assemblies. Please refer to the corresponding Sub-Assembly Installation Guides for further information.

CE European Conformity

Physical and Environmental

Dimensions (H x W x D)

Enclosure: 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)
Shipping: 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

Weight (approx.)

Product	54.7 lb. (24.8 kg)
Shipping	59.7 lb. (27.1 kg)

Temperature

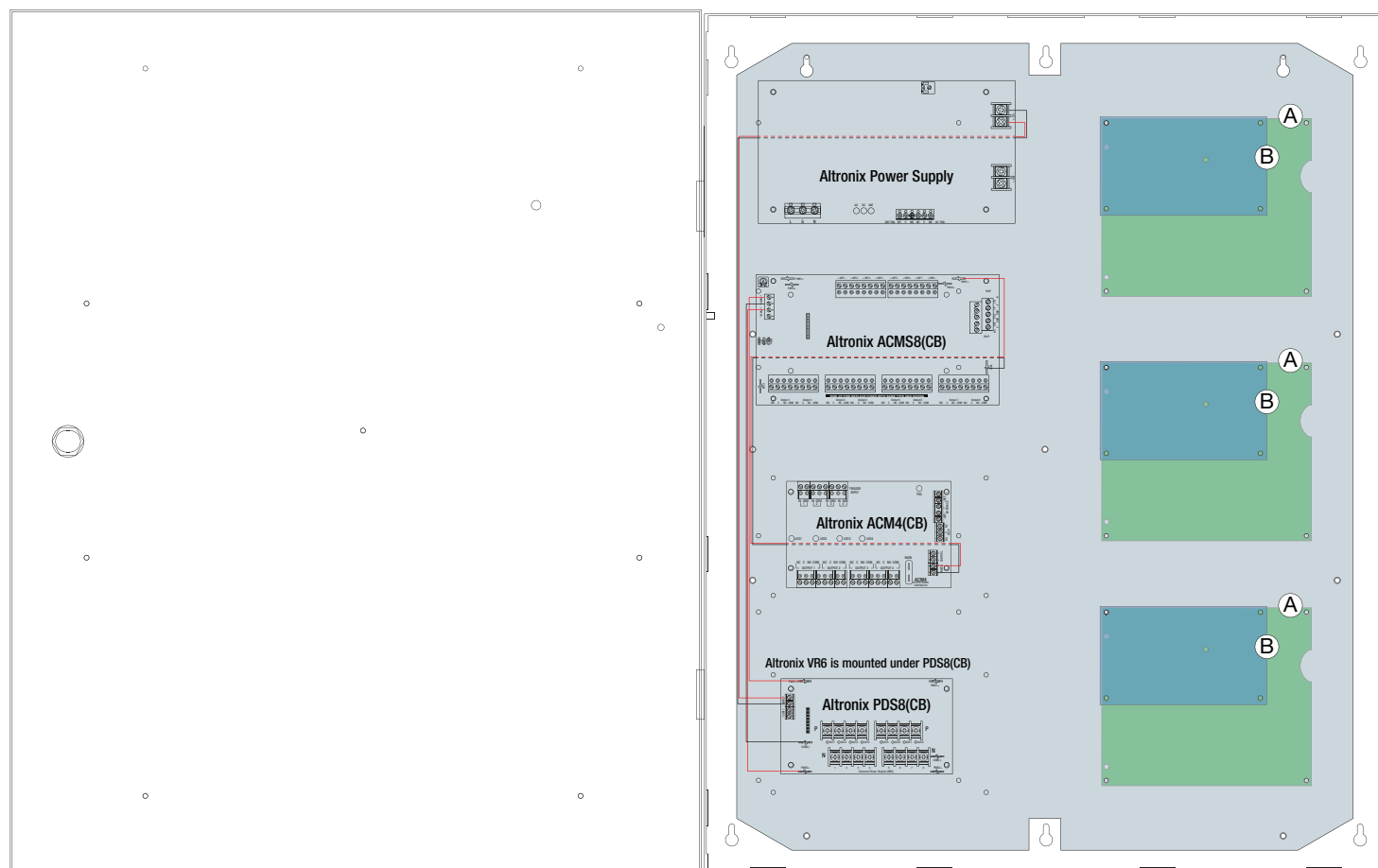
Operating	0°C to 49°C (32°F to 120°F)
Storage	-20°C to 70°C (-4°F to 158°F)

Relative Humidity 85% +/- 5%

BTU/Hr (approx.): 128 BTU/Hr.

Access Controller Position Chart for the Following Models:

Keri Systems	Pem Mounting
NXT-2D-MSCNE, NXT-4D-MSCNE (with optional NXT-RM3 and/or NXT-WI)	(A)
NXT-4x4NE	(B)



Accessories (order separately)

WM5

WM5, WM25, WM100 - Magnetic Cable Tie Mounts

Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively. They accommodate standard zip ties or velcro straps. These are ideal for wire management in our Trove series.



Mounting Magnet

MM4, MM8, MM12, MM24 - Magnetic Mounting Solution

Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



BR1

BR1 - Sub-Assembly Mounting Bracket

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

Trove2BWC
with
batteriesTrove2BWC
with
wires**TROVE2BWC - Battery/Wire Trough Enclosure**

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution. The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets. Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

Dimensions and Drawing

Dimensions (H x W x D approximate)

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)

